

Highly Erodible Soil Map Unit List - Eastern Becker County, MN

C = .20

R = 90

This data is only to be used for HEL determinations.

This is the "frozen data" based on 01/01/1990 information.

Values other than "HEL/C" should only be used for PHEL.

musym	muname	HEL/C	T	K	I	LS
26	Aazdahl clay loam	NHEL	5	0.2	48	0.22
753D	Abbeylake loamy sand, 12 to 20 percent slopes	PHEL	5	0.2	134	2.80
753E	Abbeylake loamy sand, 20 to 30 percent slopes	HEL	5	0.2	134	6.00
1125C	Abbeylake-Sverdrup Complex, 6 to 12 percent slopes	NHEL	4	0.2	86	1.35
1250C	Abbeylake-Verndale complex, 6 to 12 percent slopes	NHEL	5	0.2	134	1.30
711B	Arvilla-Sandberg Complex, 2 to 6 percent slopes	NHEL	3	0.2	86	0.44
711C	Arvilla-Sandberg Complex, 6 to 12 percent slopes	PHEL	3	0.2	86	1.35
747B	Audubon silty clay loam, 0 to 6 percent slopes	NHEL	5	0.3	86	0.31
780B	Audubon-Boyerlake complex, 1 to 6 percent slopes	NHEL	5	0.3	86	0.47
780D2	Audubon-Boyerlake complex, 12 to 20 percent slopes, eroded	HEL	5	0.3	86	2.80
780C2	Audubon-Boyerlake complex, 6 to 12 percent slopes, eroded	PHEL	5	0.3	86	1.40
767	Auganaush loam	NHEL	3	0.3	48	0.14
503B	Balmlake fine sandy loam, 1 to 8 percent slopes	NHEL	5	0.3	86	0.44
503E	Balmlake fine sandy loam, 15 to 30 percent slopes	HEL	5	0.3	86	6.00
503C	Balmlake fine sandy loam, 8 to 15 percent slopes	PHEL	5	0.3	86	2.00
33B	Barnes loam, 2 to 6 percent slopes	NHEL	5	0.3	48	0.44
903B	Barnes-Langhei Complex, 2 to 6 percent slopes	NHEL	5	0.3	86	0.44
903C2	Barnes-Langhei Complex, 6 to 12 percent slopes, eroded	NHEL	5	0.3	86	1.35
125	Beltrami loam	NHEL	5	0.3	56	0.22
1137B	Birchlake silty clay loam, 1 to 6 percent slopes	NHEL	5	0.4	38	0.32
1137D	Birchlake silty clay loam, 12 to 20 percent slopes, eroded	HEL	5	0.4	38	2.50
1137E	Birchlake silty clay loam, 20 to 30 percent slopes	HEL	5	0.4	38	6.00
1137C	Birchlake silty clay loam, 6 to 12 percent slopes, eroded	PHEL	5	0.4	38	1.35
1320B	Blowers sandy loam, 1 to 5 percent slopes, stony	NHEL	4	0.2	86	0.32
315A	Bootlake sandy loam, 0 to 2 percent slopes	NHEL	4	0.2	86	0.14
315B	Bootlake sandy loam, 2 to 5 percent slopes	NHEL	4	0.2	86	0.44
1252B	Bootlake-Eagleview complex, 1 to 8 percent slopes	NHEL	5	0.2	86	0.44
1127A	Bootlake-Graycalm Complex, 0 to 2 percent slopes	NHEL	5	0.2	134	0.14
1127B	Bootlake-Graycalm Complex, 2 to 8 percent slopes	NHEL	4	0.2	86	0.44
422B	Bygland silty clay loam, 1 to 6 percent slopes	NHEL	5	0.3	38	0.44
422C	Bygland silty clay loam, 6 to 15 percent slopes	PHEL	5	0.3	38	2.00
544	Cathro muck	NHEL	5	0.0	134	0.14
1128	Cathro muck, freq flooded	NHEL	5	0.0	134	0.14
20E	Chapett fine sandy loam, 15 to 30 percent slopes	HEL	5	0.2	86	6.00
20B	Chapett fine sandy loam, 2 to 8 percent slopes	NHEL	5	0.2	86	0.44

20C2	Chapett fine sandy loam, 8 to 15 percent slopes, eroded	NHEL	5	0.2	86	2.00
47	Colvin silty clay loam	NHEL	5	0.3	86	0.14
351	Colvin silty clay loam, depressional	NHEL	5	0.3	86	0.14
721E	Corliss loamy sand, 20 to 35 percent slopes	HEL	5	0.2	134	7.00
1247D	Corliss-Dorset complex, 12 to 20 percent slopes	HEL	3	0.2	86	2.50
133A	Dalbo silt loam, 0 to 2 percent slopes	NHEL	3	0.4	48	0.15
133E	Dalbo silt loam, 15 to 30 percent slopes	HEL	3	0.4	48	5.80
133B	Dalbo silt loam, 2 to 8 percent slopes	PHEL	3	0.4	48	0.47
133C	Dalbo silt loam, 8 to 15 percent slopes	HEL	3	0.4	48	2.20
1318	Darnen loam	NHEL	5	0.2	48	0.21
406A	Dorset sandy loam, 0 to 2 percent slopes	NHEL	3	0.2	86	0.14
406B	Dorset sandy loam, 2 to 6 percent slopes	NHEL	3	0.2	86	0.44
778B	Dorset-Corliss Complex, 1 to 6 percent slopes	NHEL	3	0.2	86	0.44
778C	Dorset-Corliss Complex, 6 to 12 percent slopes	PHEL	3	0.2	86	1.35
137	Dovray silty clay	NHEL	5	0.3	86	0.14
1236B	Eagleview loamy sand, 1 to 8 percent slopes	NHEL	5	0.2	134	0.59
1236E	Eagleview loamy sand, 15 to 30 percent slopes	HEL	5	0.2	134	4.79
1236C	Eagleview loamy sand, 8 to 15 percent slopes	NHEL	5	0.2	134	2.00
1132B	Eagleview-Balmlake complex, 1 to 8 percent slopes	NHEL	5	0.3	86	0.44
1132E	Eagleview-Balmlake complex, 15 to 30 percent slopes	HEL	5	0.3	86	6.00
1132C	Eagleview-Balmlake complex, 8 to 15 percent slopes	PHEL	5	0.3	86	2.00
1263C	Eagleview-Bootlake complex, 8 to 15 percent slopes	NHEL	5	0.2	134	2.00
1140B	Eagleview-Snellman complex, 1 to 8 percent slopes	NHEL	5	0.2	86	0.44
1140C	Eagleview-Snellman complex, 8 to 15 percent slopes	NHEL	5	0.2	86	2.00
141B	Egeland fine sandy loam, 1 to 6 percent slopes	NHEL	5	0.2	86	0.44
141C	Egeland fine sandy loam, 6 to 12 percent slopes	NHEL	5	0.2	86	1.35
1200	Egglake loam	NHEL	5	0.2	86	0.14
1211	Egglake-Cathro Complex	NHEL	5	0.2	86	0.14
191	Epoufette sandy loam	NHEL	4	0.2	86	0.14
36	Flom silty clay loam	NHEL	5	0.3	38	0.14
375	Forada loam	NHEL	4	0.3	56	0.14
1942	Forada mucky loam, depressional	NHEL	4	0.3	56	0.14
339	Fordville loam	NHEL	4	0.2	48	0.22
168D2	Forman clay loam, 12 to 20 percent slopes, eroded	HEL	5	0.3	48	2.80
168B	Forman clay loam, 2 to 6 percent slopes	NHEL	5	0.3	48	0.44
168E	Forman clay loam, 20 to 30 percent slopes	HEL	5	0.3	48	6.00
168C2	Forman clay loam, 6 to 12 percent slopes, eroded	NHEL	5	0.3	48	1.35
171B	Formdale clay loam, 2 to 5 percent slopes	NHEL	5	0.2	48	0.44
1234B	Formdale-Buse complex, 2 to 6 percent slopes	NHEL	5	0.2	48	0.59
1235B	Formdale-Buse-Sandberg complex, 2 to 6 percent slopes	NHEL	5	0.2	48	0.44
931C2	Formdale-Langhei Complex, 6 to 12 percent slopes, eroded	NHEL	5	0.3	86	1.35
579C2	Formdale-Langhei-Sandberg Complex, 6 to 12 percent slopes, eroded	NHEL	5	0.3	86	1.35
1135	Foxlake silty clay loam	NHEL	5	0.3	86	0.14

564	Friendship loamy sand	NHEL	5	0.2	134	0.22
180	Gonvick loam	NHEL	5	0.2	48	0.32
1249C	Graycalm-Bootlake complex, 8 to 15 percent slopes	NHEL	5	0.2	134	2.00
867B	Graycalm-Menahga complex, 1 to 8 percent slopes	NHEL	5	0.2	134	0.44
867E	Graycalm-Menahga complex, 15 to 30 percent slopes	HEL	5	0.2	134	5.80
867C	Graycalm-Menahga complex, 8 to 15 percent slopes	NHEL	5	0.2	134	2.00
1149	Hamerly clay loam	NHEL	5	0.3	86	0.14
184	Hamerly loam	NHEL	5	0.3	86	0.22
1967	Hamerly-Vallers Complex	NHEL	5	0.3	86	0.22
785	Hamerly-Winger Complex	NHEL	5	0.3	86	0.22
1878	Hamre muck	NHEL	5	0.0	134	0.14
111	Hangaard sandy loam	NHEL	5	0.2	86	0.14
1230	Haslie and Nidaros soils, ponded	NHEL	2	0.1	0	0.14
746	Haslie muck	NHEL	5	0.0	134	0.14
1113	Haslie, Seelyeville and Cathro soils, ponded	NHEL	5	0.0	134	0.14
1365	Hillview fine sandy loam	NHEL	5	0.2	86	0.21
1306	Karlstad sandy loam	NHEL	3	0.2	86	0.21
1938	Lakepark clay loam	NHEL	5	0.2	48	0.14
1251	Lamoure silt loam, channeled, frequently flooded	NHEL	5	0.3	86	0.15
418	Lamoure silt loam, occasionally flooded	NHEL	5	0.3	86	0.14
942D2	Langhei-Barnes Complex, 12 to 20 percent slopes, eroded	HEL	5	0.3	86	2.80
943D2	Langhei-Formdale Complex, 12 to 20 percent slopes, eroded	HEL	5	0.3	86	2.50
943E	Langhei-Formdale Complex, 20 to 30 percent slopes	HEL	5	0.3	86	6.00
1196B	Lida-Two Inlets Complex, 1 to 8 percent slopes	NHEL	4	0.2	86	0.44
1196C	Lida-Two Inlets Complex, 8 to 15 percent slopes	PHEL	4	0.2	86	1.80
1129	Lindaas silty clay loam, morainic	NHEL	5	0.3	38	0.14
108	McIntosh silt loam	NHEL	5	0.3	86	0.22
202	Meehan loamy sand	NHEL	5	0.2	134	0.22
797	Mooselake and Lupton soils	NHEL	5	0.1	134	0.14
718E	Naytahwaush loam, 15 to 30 percent slopes	HEL	5	0.3	48	5.80
718B	Naytahwaush loam, 2 to 8 percent slopes	NHEL	5	0.3	48	0.47
718C	Naytahwaush loam, 8 to 15 percent slopes	PHEL	5	0.3	48	2.20
40E	Nebish loam, 15 to 30 percent slopes	HEL	5	0.3	56	6.00
40B	Nebish loam, 2 to 8 percent slopes	NHEL	5	0.3	56	0.44
40C	Nebish loam, 8 to 15 percent slopes	PHEL	5	0.3	56	2.00
951E	Nebish-Sugarbush Complex, 15 to 30 percent slopes	HEL	4	0.2	86	6.00
951B	Nebish-Sugarbush complex, 2 to 8 percent slopes	NHEL	4	0.2	86	0.44
951C	Nebish-Sugarbush Complex, 8 to 15 percent slopes	PHEL	4	0.2	86	2.00
1136	Nidaros muck	NHEL	4	0.0	134	0.14
1111	Nidaros muck, freq flooded	NHEL	4	0.0	134	0.14
207D	Nymore loamy sand, 12 to 20 percent slopes	PHEL	5	0.2	134	2.80
1248C	Nymore-Verndale complex, 6 to 12 percent slopes	NHEL	5	0.2	134	1.30
413	Osakis sandy loam	NHEL	3	0.3	86	0.14

1975	Oylen sandy loam	NHEL	3	0.2	86	0.14
1321	Paddock fine sandy loam, stony	NHEL	4	0.2	86	0.21
1210	Paddock-Epoufette Complex	NHEL	4	0.2	86	0.14
1030	Pits, gravel-Udipsamments Complex	NHEL	5	0.2	86	0.00
344	Quam silty clay loam	NHEL	5	0.3	38	0.14
1227	Quam, Cathro and Urness soils, ponded	NHEL	2	0.1	0	0.14
541	Rifle mucky peat	NHEL	5	0.0	56	0.14
63	Rockwell loam	NHEL	3	0.2	86	0.14
1319D	Rockwood sandy loam, 12 to 20 percent slopes, stony	HEL	4	0.2	86	4.03
1319B	Rockwood sandy loam, 2 to 6 percent slopes, stony	NHEL	4	0.2	86	0.53
1319C	Rockwood sandy loam, 6 to 12 percent slopes, stony	PHEL	4	0.2	86	1.66
624	Rosy sandy loam	NHEL	5	0.2	86	0.14
701	Runeberg mucky loam, depressional	NHEL	5	0.2	56	0.14
1138	Rushlake and Hangaard soils, lake beaches	NHEL	5	0.2	86	0.14
1242D	Sandberg-Arvilla complex, 12 to 20 percent slopes	HEL	3	0.2	86	4.00
1291	Sedgeville loam, frequently flooded	NHEL	4	0.2	0	0.14
540	Seelyeville muck	NHEL	5	0.0	134	0.14
1825B	Seelyville muck, seep land, 1 to 10 percent slopes	NHEL	5	0.0	134	0.54
765	Smiley loam	NHEL	5	0.2	56	0.14
267E	Snellman sandy loam, 15 to 30 percent slopes	HEL	5	0.2	86	6.00
267B	Snellman sandy loam, 2 to 8 percent slopes	NHEL	5	0.2	86	0.44
267C	Snellman sandy loam, 8 to 15 percent slopes	NHEL	5	0.2	86	1.80
776E	Snellman-Sugarbush Complex, 15 to 30 percent slopes	HEL	4	0.2	86	6.00
776B	Snellman-Sugarbush Complex, 2 to 8 percent slopes	NHEL	5	0.2	86	0.60
776C	Snellman-Sugarbush Complex, 8 to 15 percent slopes	PHEL	4	0.2	86	2.00
1243E	Sol sandy loam, 15 to 30 percent slopes, very stony	HEL	5	0.2	0	4.79
1243B	Sol sandy loam, 2 to 8 percent slopes, very stony	NHEL	5	0.2	0	0.44
1243C	Sol sandy loam, 8 to 15 percent slopes, very stony	NHEL	5	0.2	0	1.76
1244E	Sol-Sugarbush complex, 15 to 30 percent slopes, very stony	HEL	5	0.2	0	4.79
1244B	Sol-Sugarbush complex, 2 to 8 percent slopes, very stony	NHEL	5	0.2	0	0.44
1244C	Sol-Sugarbush complex, 8 to 15 percent slopes, very stony	PHEL	5	0.2	0	2.00
332B	Sugarbush sandy loam, 1 to 8 percent slopes	NHEL	4	0.2	86	0.44
1201E	Sugarbush-Snellman Complex, 15 to 35 percent slopes	HEL	4	0.2	86	4.80
1201C	Sugarbush-Snellman Complex, 8 to 15 percent slopes	PHEL	4	0.2	86	1.80
775B	Sugarbush-Two Inlets Complex, 1 to 8 percent slopes	NHEL	4	0.2	86	0.44
775C	Sugarbush-Two Inlets Complex, 8 to 15 percent slopes	PHEL	4	0.2	86	2.00
1125B	Sverdrup-Abbeylake Complex, 1 to 6 percent slopes	NHEL	4	0.2	86	0.44
1195E	Sybil-Eagleview complex, 15 to 30 percent slopes	HEL	4	0.2	134	4.80
1195B	Sybil-Eagleview complex, 2 to 8 percent slopes	NHEL	4	0.2	134	0.59
1195C	Sybil-Eagleview complex, 8 to 15 percent slopes	NHEL	4	0.2	134	1.80
1196E	Two Inlets-Lida Complex, 15 to 30 percent slopes	HEL	4	0.2	86	4.80
1238E	Two Inlets-Sugarbush complex, 15 to 30 percent slopes	HEL	5	0.1	134	4.79
1015	Udipsamments, cut and fill land	NHEL	5	0.1	220	0.00

1016	Udorthents, loamy, cut and fill land	NHEL	5	0.2	86	0.00
1027	Udorthents, wet substratum (fill land)	NHEL	0	0.0	0	0.00
335	Urness mucky silt loam	NHEL	5	0.3	86	0.14
1317	Vallers silty clay loam	NHEL	5	0.3	86	0.14
1997	Vallers-Hamerly-Winger Complex	NHEL	5	0.3	86	0.14
567A	Verndale sandy loam, 0 to 2 percent slopes	NHEL	3	0.2	86	0.14
567B	Verndale sandy loam, 2 to 6 percent slopes	NHEL	3	0.2	86	0.44
1131B	Verndale-Abbeylake Complex, 1 to 6 percent slopes	NHEL	3	0.2	86	0.44
1126B	Verndale-Nymore Complex, 1 to 6 percent slopes	NHEL	3	0.2	86	0.44
W	Water					
1356	Water, miscellaneous					
38E	Waukon loam, 15 to 30 percent slopes	HEL	5	0.2	48	4.79
38B	Waukon loam, 2 to 8 percent slopes	NHEL	5	0.2	48	0.44
38C	Waukon loam, 8 to 15 percent slopes	PHEL	5	0.2	48	2.00
1104B	Waukon-Dorset Complex, 1 to 8 percent slopes	NHEL	3	0.2	86	0.44
1104C	Waukon-Dorset Complex, 8 to 15 percent slopes	PHEL	3	0.2	86	2.00
1246	Winger silty clay loam	NHEL	5	0.3	86	0.14
398	Winger silty clay loam, depressional	NHEL	5	0.3	86	0.14
786	Winger-Hamerly-Colvin Complex	NHEL	5	0.3	86	0.14
1130	Wolverton fine sandy loam	NHEL	5	0.3	86	0.14
121	Wykeham fine sandy loam	NHEL	5	0.2	86	0.14
1225	Wykeham-Karlstad Complex	NHEL	3	0.2	86	0.22
508	Wyndmere fine sandy loam	NHEL	5	0.2	86	0.14

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musym	muname	HEL	T	K	I	LS
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753E	Abbeylake loamy sand, 20 to 30 percent slopes	HEL	5	0.2	134	6.00
1125C	Abbeylake-Sverdrup Complex, 6 to 12 percent slopes	NHEL	4	0.2	86	1.35
1250C	Abbeylake-Verndale complex, 6 to 12 percent slopes	NHEL	5	0.2	134	1.30
711B	Arvilla-Sandberg Complex, 2 to 6 percent slopes	NHEL	3	0.2	86	0.44
711C	Arvilla-Sandberg Complex, 6 to 12 percent slopes	PHEL	3	0.2	86	1.35
747B	Audubon silty clay loam, 0 to 6 percent slopes	NHEL	5	0.3	86	0.31
780B	Audubon-Boyerlake complex, 1 to 6 percent slopes	NHEL	5	0.3	86	0.47
780D2	Audubon-Boyerlake complex, 12 to 20 percent slopes, eroded	HEL	5	0.3	86	2.80
780C2	Audubon-Boyerlake complex, 6 to 12 percent slopes, eroded	PHEL	5	0.3	86	1.40
767	Auganaush loam	NHEL	3	0.3	48	0.14
503B	Balmlake fine sandy loam, 1 to 8 percent slopes	NHEL	5	0.3	86	0.44
503E	Balmlake fine sandy loam, 15 to 30 percent slopes	HEL	5	0.3	86	6.00
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33B	Barnes loam, 2 to 6 percent slopes	NHEL	5	0.3	48	0.44
903B	Barnes-Langhei Complex, 2 to 6 percent slopes	NHEL	5	0.3	86	0.44
903C2	Barnes-Langhei Complex, 6 to 12 percent slopes, eroded	NHEL	5	0.3	86	1.35
125	Beltrami loam	NHEL	5	0.3	56	0.22
1137B	Birchlake silty clay loam, 1 to 6 percent slopes	NHEL	5	0.4	38	0.32
1137D	Birchlake silty clay loam, 12 to 20 percent slopes, eroded	HEL	5	0.4	38	2.50
1137E	Birchlake silty clay loam, 20 to 30 percent slopes	HEL	5	0.4	38	6.00
1137C	Birchlake silty clay loam, 6 to 12 percent slopes, eroded	PHEL	5	0.4	38	1.35
1320B	Blowers sandy loam, 1 to 5 percent slopes, stony	NHEL	4	0.2	86	0.32
315A	Bootlake sandy loam, 0 to 2 percent slopes	NHEL	4	0.2	86	0.14
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1252B	Bootlake-Eagleview complex, 1 to 8 percent slopes	NHEL	5	0.2	86	0.44
1127A	Bootlake-Graycalm Complex, 0 to 2 percent slopes	NHEL	5	0.2	134	0.14
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422B	Bygland silty clay loam, 1 to 6 percent slopes	NHEL	5	0.3	38	0.44
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133A	Dalbo silt loam, 0 to 2 percent slopes	NHEL	3	0.4	48	0.15
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1236B	Eagleview loamy sand, 1 to 8 percent slopes	NHEL	5	0.2	134	0.59
1236E	Eagleview loamy sand, 15 to 30 percent slopes	HEL	5	0.2	134	4.79
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1942	Forada mucky loam, depressional	NHEL	4	0.3	56	0.14
339	Fordville loam	NHEL	4	0.2	48	0.22
168D2	Forman clay loam, 12 to 20 percent slopes, eroded	HEL	5	0.3	48	2.80
168B	Forman clay loam, 2 to 6 percent slopes	NHEL	5	0.3	48	0.44
168E	Forman clay loam, 20 to 30 percent slopes	HEL	5	0.3	48	6.00
168C2	Forman clay loam, 6 to 12 percent slopes, eroded	NHEL	5	0.3	48	1.35
171B	Formdale clay loam, 2 to 5 percent slopes	NHEL	5	0.2	48	0.44
1234B	Formdale-Buse complex, 2 to 6 percent slopes	NHEL	5	0.2	48	0.59
1235B	Formdale-Buse-Sandberg complex, 2 to 6 percent slopes	NHEL	5	0.2	48	0.44
931C2	Formdale-Langhei Complex, 6 to 12 percent slopes, eroded	NHEL	5	0.3	86	1.35
579C2	Formdale-Langhei-Sandberg Complex, 6 to 12 percent slopes, eroded	NHEL	5	0.3	86	1.35
1135	Foxlake silty clay loam	NHEL	5	0.3	86	0.14

564	Friendship loamy sand	NHEL	5	0.2	134	0.22
180	Gonvick loam	NHEL	5	0.2	48	0.32
1249C	Graycalm-Bootlake complex, 8 to 15 percent slopes	NHEL	5	0.2	134	2.00
867B	Graycalm-Menahga complex, 1 to 8 percent slopes	NHEL	5	0.2	134	0.44
867E	Graycalm-Menahga complex, 15 to 30 percent slopes	HEL	5	0.2	134	5.80
867C	Graycalm-Menahga complex, 8 to 15 percent slopes	NHEL	5	0.2	134	2.00
1149	Hamerly clay loam	NHEL	5	0.3	86	0.14
184	Hamerly loam	NHEL	5	0.3	86	0.22
1967	Hamerly-Vallers Complex	NHEL	5	0.3	86	0.22
785	Hamerly-Winger Complex	NHEL	5	0.3	86	0.22
1878	Hamre muck	NHEL	5	0.0	134	0.14
111	Hangaard sandy loam	NHEL	5	0.2	86	0.14
1230	Haslie and Nidaros soils, ponded	NHEL	2	0.1	0	0.14
746	Haslie muck	NHEL	5	0.0	134	0.14
1113	Haslie, Seelyeville and Cathro soils, ponded	NHEL	5	0.0	134	0.14
1365	Hillview fine sandy loam	NHEL	5	0.2	86	0.21
1306	Karlstad sandy loam	NHEL	3	0.2	86	0.21
1938	Lakepark clay loam	NHEL	5	0.2	48	0.14
1251	Lamoure silt loam, channeled, frequently flooded	NHEL	5	0.3	86	0.15
418	Lamoure silt loam, occasionally flooded	NHEL	5	0.3	86	0.14
942D2	Langhei-Barnes Complex, 12 to 20 percent slopes, eroded	HEL	5	0.3	86	2.80
943D2	Langhei-Formdale Complex, 12 to 20 percent slopes, eroded	HEL	5	0.3	86	2.50
943E	Langhei-Formdale Complex, 20 to 30 percent slopes	HEL	5	0.3	86	6.00
1196B	Lida-Two Inlets Complex, 1 to 8 percent slopes	NHEL	4	0.2	86	0.44
1196C	Lida-Two Inlets Complex, 8 to 15 percent slopes	PHEL	4	0.2	86	1.80
1129	Lindaas silty clay loam, morainic	NHEL	5	0.3	38	0.14
108	McIntosh silt loam	NHEL	5	0.3	86	0.22
202	Meehan loamy sand	NHEL	5	0.2	134	0.22
797	Mooselake and Lupton soils	NHEL	5	0.1	134	0.14
718E	Naytahwaush loam, 15 to 30 percent slopes	HEL	5	0.3	48	5.80
718B	Naytahwaush loam, 2 to 8 percent slopes	NHEL	5	0.3	48	0.47
718C	Naytahwaush loam, 8 to 15 percent slopes	PHEL	5	0.3	48	2.20
40E	Nebish loam, 15 to 30 percent slopes	HEL	5	0.3	56	6.00
40B	Nebish loam, 2 to 8 percent slopes	NHEL	5	0.3	56	0.44
40C	Nebish loam, 8 to 15 percent slopes	PHEL	5	0.3	56	2.00
951E	Nebish-Sugarbush Complex, 15 to 30 percent slopes	HEL	4	0.2	86	6.00
951B	Nebish-Sugarbush complex, 2 to 8 percent slopes	NHEL	4	0.2	86	0.44
951C	Nebish-Sugarbush Complex, 8 to 15 percent slopes	PHEL	4	0.2	86	2.00
1136	Nidaros muck	HEL	4	0.0	134	0.14
1111	Nidaros muck, freq flooded	HEL	4	0.0	134	0.14
207D	Nymore loamy sand, 12 to 20 percent slopes	PHEL	5	0.2	134	2.80
1248C	Nymore-Verndale complex, 6 to 12 percent slopes	NHEL	5	0.2	134	1.30
413	Osakis sandy loam	NHEL	3	0.3	86	0.14

1975	Oylen sandy loam	NHEL	3	0.2	86	0.14
1321	Paddock fine sandy loam, stony	NHEL	4	0.2	86	0.21
1210	Paddock-Epoufette Complex	NHEL	4	0.2	86	0.14
1030	Pits, gravel-Udipsamments Complex	NHEL	5	0.2	86	0.00
344	Quam silty clay loam	NHEL	5	0.3	38	0.14
1227	Quam, Cathro and Urness soils, ponded	NHEL	2	0.1	0	0.14
541	Rifle mucky peat	NHEL	5	0.0	56	0.14
63	Rockwell loam	NHEL	3	0.2	86	0.14
1319D	Rockwood sandy loam, 12 to 20 percent slopes, stony	HEL	4	0.2	86	4.03
1319B	Rockwood sandy loam, 2 to 6 percent slopes, stony	NHEL	4	0.2	86	0.53
1319C	Rockwood sandy loam, 6 to 12 percent slopes, stony	PHEL	4	0.2	86	1.66
624	Rosy sandy loam	NHEL	5	0.2	86	0.14
701	Runeberg mucky loam, depressional	NHEL	5	0.2	56	0.14
1138	Rushlake and Hangaard soils, lake beaches	NHEL	5	0.2	86	0.14
1242D	Sandberg-Arvilla complex, 12 to 20 percent slopes	HEL	3	0.2	86	4.00
1291	Sedgeville loam, frequently flooded	NHEL	4	0.2	0	0.14
540	Seelyeville muck	NHEL	5	0.0	134	0.14
1825B	Seelyville muck, seep land, 1 to 10 percent slopes	NHEL	5	0.0	134	0.54
765	Smiley loam	NHEL	5	0.2	56	0.14
267E	Snellman sandy loam, 15 to 30 percent slopes	HEL	5	0.2	86	6.00
267B	Snellman sandy loam, 2 to 8 percent slopes	NHEL	5	0.2	86	0.44
267C	Snellman sandy loam, 8 to 15 percent slopes	NHEL	5	0.2	86	1.80
776E	Snellman-Sugarbush Complex, 15 to 30 percent slopes	HEL	4	0.2	86	6.00
776B	Snellman-Sugarbush Complex, 2 to 8 percent slopes	NHEL	5	0.2	86	0.60
776C	Snellman-Sugarbush Complex, 8 to 15 percent slopes	PHEL	4	0.2	86	2.00
1243E	Sol sandy loam, 15 to 30 percent slopes, very stony	HEL	5	0.2	0	4.79
1243B	Sol sandy loam, 2 to 8 percent slopes, very stony	NHEL	5	0.2	0	0.44
1243C	Sol sandy loam, 8 to 15 percent slopes, very stony	NHEL	5	0.2	0	1.76
1244E	Sol-Sugarbush complex, 15 to 30 percent slopes, very stony	HEL	5	0.2	0	4.79
1244B	Sol-Sugarbush complex, 2 to 8 percent slopes, very stony	NHEL	5	0.2	0	0.44
1244C	Sol-Sugarbush complex, 8 to 15 percent slopes, very stony	PHEL	5	0.2	0	2.00
332B	Sugarbush sandy loam, 1 to 8 percent slopes	NHEL	4	0.2	86	0.44
1201E	Sugarbush-Snellman Complex, 15 to 35 percent slopes	HEL	4	0.2	86	4.80
1201C	Sugarbush-Snellman Complex, 8 to 15 percent slopes	PHEL	4	0.2	86	1.80
775B	Sugarbush-Two Inlets Complex, 1 to 8 percent slopes	NHEL	4	0.2	86	0.44
775C	Sugarbush-Two Inlets Complex, 8 to 15 percent slopes	PHEL	4	0.2	86	2.00
1125B	Sverdrup-Abbeylake Complex, 1 to 6 percent slopes	NHEL	4	0.2	86	0.44
1195E	Sybil-Eagleview complex, 15 to 30 percent slopes	HEL	4	0.2	134	4.80
1195B	Sybil-Eagleview complex, 2 to 8 percent slopes	HEL	4	0.2	134	0.59
1195C	Sybil-Eagleview complex, 8 to 15 percent slopes	HEL	4	0.2	134	1.80
1196E	Two Inlets-Lida Complex, 15 to 30 percent slopes	HEL	4	0.2	86	4.80
1238E	Two Inlets-Sugarbush complex, 15 to 30 percent slopes	HEL	5	0.1	134	4.79
1015	Udipsamments, cut and fill land	NHEL	5	0.1	220	0.00

1016	Udorthents, loamy, cut and fill land	NHEL	5	0.2	86	0.00
1027	Udorthents, wet substratum (fill land)	NHEL	0	0.0	0	0.00
335	Urness mucky silt loam	NHEL	5	0.3	86	0.14
1317	Vallers silty clay loam	NHEL	5	0.3	86	0.14
1997	Vallers-Hamerly-Winger Complex	NHEL	5	0.3	86	0.14
567A	Verndale sandy loam, 0 to 2 percent slopes	NHEL	3	0.2	86	0.14
567B	Verndale sandy loam, 2 to 6 percent slopes	NHEL	3	0.2	86	0.44
1131B	Verndale-Abbeylake Complex, 1 to 6 percent slopes	NHEL	3	0.2	86	0.44
1126B	Verndale-Nymore Complex, 1 to 6 percent slopes	NHEL	3	0.2	86	0.44
W	Water					
1356	Water, miscellaneous					
38E	Waukon loam, 15 to 30 percent slopes	HEL	5	0.2	48	4.79
38B	Waukon loam, 2 to 8 percent slopes	NHEL	5	0.2	48	0.44
38C	Waukon loam, 8 to 15 percent slopes	PHEL	5	0.2	48	2.00
1104B	Waukon-Dorset Complex, 1 to 8 percent slopes	NHEL	3	0.2	86	0.44
1104C	Waukon-Dorset Complex, 8 to 15 percent slopes	PHEL	3	0.2	86	2.00
1246	Winger silty clay loam	NHEL	5	0.3	86	0.14
398	Winger silty clay loam, depressional	NHEL	5	0.3	86	0.14
786	Winger-Hamerly-Colvin Complex	NHEL	5	0.3	86	0.14
1130	Wolverton fine sandy loam	NHEL	5	0.3	86	0.14
121	Wykeham fine sandy loam	NHEL	5	0.2	86	0.14
1225	Wykeham-Karlstad Complex	NHEL	3	0.2	86	0.22
508	Wyndmere fine sandy loam	NHEL	5	0.2	86	0.14